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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	10596851
Filing Date	2006-06-27
First Named Inventor	Brown
Art Unit	1731
Examiner Name	
Attorney Docket Number	101260-1P US

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	3940386		1976-02-24	Szabo et al.	
	2	5574159		1996-11-12	Chang et al.	
	3	5681830		1997-10-28	Chang et al.	
	4	5807858		1998-09-15	Chang et al.	
	5	5854249		1998-12-29	Chang et al.	
	6	6130222		2000-10-10	Roberts et al.	
	7	6680318		2004-01-20	Brown et al.	
	8	6680321		2004-01-20	Roberts et al.	

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	9	6696447		2004-02-24	Brown et al.	
	10	6784181		2004-08-31	Brown et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] j	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	8604584	WO		1986-08-14	Aktiebolaget Leo		☐
	2	9107967	WO		1991-06-13	Janssen		☐
	3	9204338	WO		1992-03-19	The Up-John Co.		☐
	4	9315062	WO		1993-08-05	The Wellcome Foundation Limited		☐

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	5	9504051	WO		1995-02-09	The Wellcome Foundation Limited		☐
	6	9723466	WO		1997-07-03	Astra Aktiebolag		☐
	7	9828270	WO		1998-07-02	Astra Aktiebolag		☐
	8	9828275	WO		1998-07-02	Astra Aktiebolag		☐
	9	9933806	WO		1999-07-08	Ortho-McNeil		☐
	10	0145637	WO		2001-06-28	AstraZeneca AB		☐
	11	0146174	WO		2001-06-28	AstraZeneca AB		☐
	12	0174805	WO		2001-10-11	AstraZeneca AB		☐
	13	02094786	WO		2002-11-28	AstraZeneca AB		☐
	14	02094794	WO		2002-11-28	AstraZeneca AB		☐
	15	03029215	WO		2003-04-10	AstraZeneca AB		☐

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	16	03094853	WO		2003-11-20	AstraZeneca AB et al.		☐
	17	2004041800	WO		2004-05-21	AstraZeneca AB		☐
	18	2004041801	WO		2004-05-21	AstraZeneca AB		☐
	19	2004041802	WO		2004-05-21	AstraZeneca AB		☐
	20	2005066148	WO		2005-07-21	AstraZeneca AB		☐
	21	2006014133	WO		2006-02-09	AstraZeneca AB		☐
	22	2006091160	WO		2006-08-31	AstraZeneca AB		☐
	23	0133323	EP		1985-02-20	The Wellcome Foundation Limited		☐
	24	0166302	EP		1986-01-02	Polindustria		☐
	25	0289227	EP		1988-11-02	Syntex		☐
	26	0283310	EP		1988-09-21	Sankyo Company		☐

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	27	0624584	EP		1998-08-19	Daiichi		☐
	28	2076403	GB		1981-12-02	Selvi & C.S.p.A.		☐
	29	2210366	GB		1989-06-07	American Home		☐
	30	2431178	DE		1975-01-16	Cermol S.A.		☑
	31	2900810	DE		1980-07-24	Cassella AG		☑
	32	2696744	FR		1994-04-15	Laboratoires		☑
	33	7138230	JP		1995-05-30	Nippon Shoji KK		☑

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	BILSKY et al., "SNC 80, A selective, nonpeptidic and systematically active opioid delta agonist," J. Pharmacol. Exper. Ther., 1995, Vol. 273, pgs. 359-366	☐
	2	BILSKY et al., "Characterization of enantioners of (+)BW373U86 and related compounds: highly selective non-peptidic delta opioid agonists," Reg. Peptides, 1994, Vol. 54, pgs. 25-26	☐

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	3	BURKEY et al., "The efficacy of delta-opioid receptor-selective drugs," Medline Abstract for Life Sciences, 1998, Vol. 62, pgs. 1531-1536	☐
	4	CALDERON et al., "Probes for narcotic receptor mediated phenomena. 19. Synthesis of... opioid receptor agonist," J. Med. Chem., 1994, Vol. 37, pgs. 2125-2128	☐
	5	CALDERON et al., "Probes for narcotic receptor mediated phenomena. 23. Synthesis of... opioid receptor ligands," J. Med. Chem., 1997, Vol. 40, pgs. 695-704	☐
	6	CHANG et al., "A novel, potent and selective nonpeptidic delta opioid receptor agonist BW373U86," J. Pharmacol. Exper. Ther., 1993, Vol. 267, pgs. 852-857	☐
	7	GREEN, "Protective groups in organic synthesis," 1981, pgs. 267-268 and 331	☐
	8	KATRIZKY et al., "Benzotriazole-mediated arylalkylation and heteroarylalkylation," Chem. Soc. Rev., 1994, Vol. 23, pgs. 363-373	☐
	9	KINGSBURY et al., "Synthesis of structural analogs of leukotriene B and their receptor binding activity," J. Med. Chem., 1993, Vol. 36, pgs. 3308-3320	☐
	10	LOPEZ et al., "Exploring the structure-activity relationships... opioid receptor nonpeptide agonist ligand," J. Med. Chem., 1999, Vol. 42, pgs. 5359-5368	☐
	11	NAGASE et al., "The pharmacological profile of delta opioid receptor ligands, (+) and (-) TAN-67 on pain modulation," Medline Abstract for Life Sci., 2001, Vol. 68, pgs. 2227-2231	☐
	12	NORTEY et al., "Piperazinyl benzamidines: synthesis and affinity for the delta opioid receptor," Bioorganic & Medicinal Chemistry Letters, 2001, Vol. 11, pgs. 1741-1743	☐
	13	PLOBECK et al., "New diarylmethylpiperazines as potent and selective nonpeptidic opioid... with increased in vitro metabolic stability," J. Med. Chem., 2000, Vol. 43, pgs. 3878-3894	☐

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	14	SNYDER et al., "Historical review: opioid receptors," Trends in Pharmacological Sciences, 2003, Vol. 24, pgs. 198-205	☐
	15	SUGGS et al., "Facile synthesis of 8-substituted quinolines," J. Org. Chem., 1980, Vol. 45, pgs. 1514-1515	☐
	16	TAKEMORI et al., "Selective natrexone-derived opioid receptor antagonists," Annu. Rev. Pharmacol. Toxicol., 1992, Vol. 32, pgs. 239-269	☐
	17	ZHANG et al., "Probes for narcotic receptor mediated phenomena. 26. Synthesis... opioid receptor ligands," J. Med. Chem., 1999, Vol. 42, pgs. 5455-5463	☐
	18	Abstract for HU 217619. A corresponding English language PCT application is cited WO86/04584	☐
	19	Abstract for HU 215847. A corresponding English language PCT application is cited WO91/07967	☐
	20	Filliol, D. et al., "Mice deficient for delta- and mu-opioid receptors exhibit opposing alternations of emotional responses," Nature Genetics, 2000, Vol. 25, pgs. 195-200.	☐
	21	WOLFF, M., "Burger's Medicinal Chemistry and Drug Discovery," 5 ed, Part 1, John Wiley & Sons, 1995, pgs. 975-977	☐
	22	BANKER, G. et al., "Modern Pharmaceutics," 3 ed, Marcel Dekker, New York, 1996, pgs. 451 and 596	☐
	23	WEST, A., "Solid State Chemistry and it Applications," Wiley, New York, 1988, pgs. 358 & 365	☐
	24	VIPPAGUNTA, S. et al., "Crystalline Solids," Advanced Drug Delivery Review," Vol. 48, 2001, pgs. 3-26	☐

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	25	DAVIS, MP et al., "Controversies in pharmacotherapy of pain management," Lancet oncol. 6(9), 2005, 696-704	☐
	26	PRZEWLOCKI, R. et al., "Opioids in neuropathic pain," Current. Pharm. Des., 11(23), 2005, 2941-2943	☐
	27	ADRIAENSEN, H. et al., "Critical review of oral drug treatments for diabetic neuropathic pain-clinical outcomes based on efficacy and safety data from placebo-controlled and direct comparative studies," Diabetes Metab. Res. Rev., 21 (3), 2005, 231-240	☐

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EXAMINER SIGNATURE

Examiner Signature	/Erich Leeser/	Date Considered	01/23/2008

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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☑ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Jianzhong SHEN, Reg.#48076/	Date (YYYY-MM-DD)	2006-10-18
Name/Print	Jianzhong Shen	Registration Number	48,076

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